

Title (en)

INTEGRAL ENERGY RECOVERY VENTILATOR WITH BYPASS BY ROTATION FOR ROOFTOPS

Title (de)

INTEGRIERTER ENERGIERÜCKGEWINNUNGSVENTILATOR MIT BYPASS DURCH DREHUNG FÜR HAUSDÄCHER

Title (fr)

VENTILATEUR INTÉGRAL À RÉCUPÉRATION D'ÉNERGIE AVEC DÉRIVATION PAR ROTATION POUR LES TOITS

Publication

EP 4109024 A1 20221228 (EN)

Application

EP 22179471 A 20220616

Priority

US 202117358549 A 20210625

Abstract (en)

A rooftop air conditioning unit (100) includes a cabinet (114), an energy recovery wheel (122) rotatably mounted within the cabinet, and a controller. The energy recovery wheel can transfer heat between an outdoor air stream and a return air stream when rotated into an operational position and will not transfer heat when rotated into a bypass position. The controller can select the operational position of the energy recovery wheel and an operational mode of the energy recovery wheel.

IPC 8 full level

F28D 19/04 (2006.01); **F24F 12/00** (2006.01)

CPC (source: CN EP US)

F24F 7/003 (2021.01 - CN); **F24F 7/007** (2013.01 - CN US); **F24F 11/0001** (2013.01 - US); **F24F 11/65** (2017.12 - CN); **F24F 11/89** (2017.12 - CN); **F24F 12/001** (2013.01 - EP); **F24F 12/006** (2013.01 - CN US); **F24F 13/14** (2013.01 - US); **F24F 13/28** (2013.01 - CN); **F24F 13/30** (2013.01 - CN); **F28D 19/044** (2013.01 - EP); **F28D 19/048** (2013.01 - EP); **F24F 2203/104** (2013.01 - EP); **F24F 2221/16** (2013.01 - EP US); **Y02B 30/56** (2013.01 - EP)

Citation (search report)

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- [A] WO 2012011865 A2 20120126 - SWEGON AB [SE], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4109024 A1 20221228; CN 115523659 A 20221227; US 2022412601 A1 20221229

DOCDB simple family (application)

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